

Title (en)

METHOD FOR RECONSTRUCTING THE MOVEMENT OF AN INDIVIDUAL AND THE SIGNAL MAP OF A LOCATION

Title (de)

VERFAHREN ZUR REKONSTRUKTION DER BEWEGUNG EINES INDIVIDUUMS UND DER SIGNALKARTE EINES ORTES

Title (fr)

PROCÉDÉ DE RECONSTRUCTION DU DÉPLACEMENT D'UN INDIVIDU ET DE LA CARTE DE SIGNAL D'UN EMPLACEMENT

Publication

EP 3797259 A1 20210331 (EN)

Application

EP 19730951 A 20190515

Priority

- IT 201800005593 A 20180522
- IB 2019054031 W 20190515

Abstract (en)

[origin: WO2019224664A1] Described is a process for reconstructing the movement of an individual who walks inside a space and who carries a device equipped with inertial sensors and a virtual representation (M) of the space. The process comprises: - an acquisition step of a first reference position (Pr1) and by choice: a first reference direction (vr1) associated with the first reference position (Pr1) or a second reference position (Pr2); - a detection step which comprises detecting, by means of the inertial sensors, a direction of movement for each step made by the individual; - a reconstruction step which comprises forming a trajectory (100) of the path of the individual, as a sequence of vectors (V1, V2, Vm); - an estimation step. The estimation step comprises positioning the trajectory (100) in such a way that, selectively: the starting point (Po) coincides with the first reference position (Pr1) and the arrival point (Pm) coincides with the second reference position (Pr2); or the starting point (Po), or the arrival point (Pm), coincides with the first reference position (Pr1) and the assigned direction (v1) of the first vector (V1), or the assigned direction (vm) of the last vector (Vm),

IPC 8 full level

G01C 21/14 (2006.01); **G01S 5/02** (2010.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019224664A1

Cited by

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